

**Agricultural
Environmental
Management**



**Round 24 Agricultural Nonpoint Source Abatement
and Control Program Project Descriptions**

All projects support the New York State Agricultural Environmental Management (AEM) Program by funding the implementation of agricultural water quality Best Management Practices (BMPs) to protect natural resources while maintaining the economic viability of New York State's diverse agricultural community.

Western NY

\$122,100 was awarded to the Allegany County Soil and Water Conservation District to work with two farms in the Wiscoy Creek Watershed. The project will:

- Reduce nutrient and sediment loading within the watershed
- Improve manure management on two farm facilities
- Control livestock access to the stream with exclusionary fence and access control

\$572,204 was awarded to the Cattaraugus County Soil and Water Conservation District to work with one farm in the Cattaraugus Creek Watershed. The project will:

- Reduce agricultural runoff and improve manure management
- Implement a riparian buffer for additional water quality protection

\$779,900 was awarded to the Cattaraugus County Soil and Water Conservation District to work with three farms in the Conewango Creek Watershed. The project will:

- Significantly help reduce the impact of runoff
- Improve agricultural waste management
- Establish riparian buffers in sensitive areas to help reduce sediment and phosphorus runoff.

\$156,255 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Clymer Water District which includes Hulbert/Clymer Pond. The project will:

- Reduce phosphorus and nitrogen inputs to the Clymer Aquifer and surface water resources
- Improve agricultural waste management
- Implement a riparian herbaceous buffer to filter nutrients and sediment from livestock pasture

\$809,370 was awarded to the Chautauqua County Soil and Water Conservation District to work with two farms in the Conewango Creek Watershed. The project will:

- Improve manure management on two farm facilities
- Implement riparian buffers on several crop fields to help reduce sediment and phosphorus runoff
- Reduce sediment and phosphorus inputs into Conewango Creek, an important warm water fishery

\$298,380 was awarded to the Erie County Soil and Water Conservation District to work with one farm in the Sevens Creek and Cattaraugus Creek Watersheds. The project will:

- Improve nutrient management and eliminate manure application during adverse weather conditions

Finger Lakes

\$171,750 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Genesee River and Upper Tonawanda Creek Watersheds. The project will:

- Provide additional waste storage capacity to eliminate the need to spread in sensitive environmental conditions
- Provide the farm the ability to distribute nutrients more evenly onto fields

\$259,270 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Upper Oak Orchard Creek Watershed. The project will:

- Implement a best management practice system to manage runoff
- Reduce phosphorus inputs to the watershed

\$509,794 was awarded to the Genesee County Soil and Water Conservation District to work with two farms in the Oak Orchard and Twelvemile Creek Watersheds. The project will:

- Address two high priority watersheds within Genesee County
- Improve nutrient management on both farms and eliminate manure application during adverse weather conditions

\$152,555 was awarded to the Ontario County Soil and Water Conservation District to work with five farms in the Mud Creek Watershed a sub-watershed of the Oswego River Basin. The project will:

- Help meet the goals of the Lake Ontario Watershed Lakeside Action and Management Plan
- Address 600 acres of cropland experiencing sediment erosion
- Implement structural control practices to effectively store and release stormwater, resulting in a total soil saving of 1,500 tons per year

\$114,386 was awarded to the Orleans County Soil and Water Conservation District to work with three farms in the Johnson Creek and Sandy Creek Watersheds, sub-watersheds of Lake Ontario. The project will:

- Implement best management practices that will reduce pesticide runoff
- Promote safe agrichemical handling practices

\$92,547 was awarded to the Orleans County Soil and Water Conservation District to work with one farm in the Oak Orchard Creek Watershed. The project will:

- Address water quality in the Greater Lake Ontario watershed
- Implement practices that will eliminate runoff of nutrients and sediments
- Facilitate improved nutrient management

\$372,704 was awarded to the Orleans County Soil and Water Conservation District to work with one farm in the Oak Orchard Creek Watershed. The project will:

- Address water quality concerns in a high priority watershed
- Facilitate improved nutrient management and eliminate manure application during adverse weather conditions

\$254,480 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Salmon Creek Watershed. The project will:

- Implement four best management practice systems that will eliminate runoff of nutrients and sediments
- Facilitate improved nutrient management
- Support the county's agricultural industry

\$72,720 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Wolcott Creek Watershed. The project will:

- Provide protection to groundwater resources used for drinking water
- Facilitate improved nutrient management and eliminate manure application during adverse weather conditions
- Eliminate direct livestock access to surface waterbodies

\$99,120 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Lower Seneca River Watershed. The project will:

- Improve nutrient management and erosion control
- Address water quality concerns in the Greater Lake Ontario watershed
- Enhance soil health through the implementation of cover crops on 140 acres of cropland

\$63,731 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the East Koy/Wiscoy Creek Watershed. The project will:

- Address sediment, erosion, and nutrients to improve water quality
- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a riparian forest buffer

\$168,940 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Buffalo Creek watershed. The project will:

- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a riparian buffer
- Provide streambank stabilization to reduce erosion and sediment inputs

\$681,530 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Oatka Creek watershed, a sub-watershed of the Genesee River. The project will:

- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a riparian buffer
- Reduce nutrient and sediment runoff in a high priority watershed

Southern Tier

\$61,370 was awarded to the Tioga County Soil and Water Conservation District to work with one farm in the Pipe Creek watershed. The project will:

- Exclude livestock from all riparian and wetland areas on the farmland
- Implement a prescribed rotational grazing plan
- Improve soil health and reduce erosion from heavily used areas

\$572,805 was awarded to the Tompkins County Soil and Water Conservation District to work with one farm in the Owasco watershed. The project will:

- Greatly reduce nutrient leaching and runoff and facilitate improved nutrient management
- Assist in mitigating water quality concerns and address goals established in the Owasco Lake Total Maximum Daily Load (TMDL)

Central NY

\$317,487 was awarded to the Cayuga County Soil and Water Conservation District to work with three farms in the Salmon Creek/Cayuga Lake Watershed. The project will:

- Reduce phosphorus and nitrogen in the watershed
- Provide for improved nutrient management and allow for appropriate land application of manure
- Maintain the county's acreage in agriculture and the economic viability of the farms.

\$75,560 was awarded to the Cortland County Soil and Water Conservation District to work with four farms in the Tioughnioga River Watershed. The project will:

- Develop and implement comprehensive nutrient management plans for each participating farm
- Assist in meeting goals identified in the Susquehanna River Total Maximum Daily Load (TMDL)

\$531,328 was awarded to the Cortland County Soil and Water Conservation District to work with one farm in the Tioughnioga River Watershed. The project will:

- Implement conservation practices to benefit local natural resources while maintaining the economic viability of the farm
- Facilitate improved manure management and nutrient reduction in the watershed
- Implement approximately 1.3 acres of riparian forest buffer
- Demonstrate the water quality benefits of implementing best management practice systems

\$205,445 was awarded to the Madison County Soil and Water Conservation District to work with five farms in the Unadilla River Watershed, which is connected to the Chesapeake Bay Watershed. The project will:

- Implement prescribed rotational grazing practices on all farms
- Protect water quality and enhance the farms profitability
- Implement over 30 acres of riparian buffers to filter nutrients and sediment

\$578,650 was awarded to the Madison County Soil and Water Conservation District to work with three farms in the Upper Chenango River Watershed, which is connected to the Chesapeake Bay Watershed. The project will:

- Implement manure storages to eliminate winter spreading
- Facilitate improved manure management and treatment of runoff
- Address goals identified in the Chesapeake Bay Total Maximum Daily Load (TMDL)

\$371,100 was awarded to the Madison County Soil and Water Conservation District to work with one farm in the Otselic River Watershed, the headwaters of the Chesapeake Bay Watershed. The project will:

- Address goals identified in the Chesapeake Bay Total Maximum Daily Load (TMDL)
- Reduce nutrient runoff through improved agricultural waste management
- Establish a riparian herbaceous buffer to reduce nutrient loss into the watershed

\$331,650 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Oneida Lake Watershed. The project will:

- Improve manure management on the farms and increase storage capacity to eliminate winter spreading
- Implement approximately two acres of riparian herbaceous buffer to reduce sediment nutrient loss

\$130,045 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. The project will:

- Reduce nutrient and sediment loads and protect the drinking water supply for the City of Syracuse
- Implement total silage leachate collection
- Address concerns regarding harmful algal blooms within the lake

\$204,087 was awarded to the Onondaga County Soil and Water Conservation District to work with four farms in the Oneida Lake Watershed. The project will:

- Implement four best management practice systems to reduce nutrients and sediments in waterways
- Demonstrate the success of AEM planning and best management practice implementation to other area farms
- Implement approximately 300 acres of cover crops to reduce soil loss and improve soil health

\$626,661 was awarded to the Onondaga County Soil and Water Conservation District to work with five farms in the Onondaga Lake/Otisco Lake Watershed. The project will:

- Implement various best management practice systems to reduce agricultural non-point source pollution and protect waterways
- Address goals identified in the Onondaga Lake Total Maximum Daily Load (TMDL)
- Implement approximately 3,600 acres of cover crops to reduce soil loss and improve soil health

\$34,637 was awarded to the Onondaga County Soil and Water Conservation District to work with two farms in the Upper Tioughnioga River Watershed. The project will:

- Implement erosion control systems and prescribed rotational grazing systems
- Exclude livestock from water courses to address runoff
- Address goals identified in the Chesapeake Bay Total Maximum Daily Load (TMDL)

North Country

\$ 222,975 was awarded to the Clinton County Soil and Water Conservation District to work with one farm in the Corbeau Creek Watershed, which is a tributary of Lake Champlain. The project will:

- Reduce the potential of manure runoff to surface and groundwater resources
- Repair denuded walkways and prevent future soil degradation
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$ 71,010 was awarded to the Essex County Soil and Water Conservation District to work with one farm in the Boquet River Watershed, which is a tributary of Lake Champlain. The project will:

- Reduce sediment erosion with the installation of stream crossings and laneways

- Reduce nutrient runoff by improving management of livestock grazing
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$ 76,000 was awarded to the Essex County Soil and Water Conservation District to work with one farm in the Boquet River Watershed, which is a tributary of Lake Champlain. The project will:

- Protect the economic viability of the county's agricultural industry
- Improve farm manure management and prevent high phosphorus manure from contaminating runoff
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$452,495 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Chateaugay/Trout River Watershed. The project will:

- Reduce runoff impacts on groundwater and surface water resources
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions

\$418,080 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Little Salmon River Watershed. The project will:

- Address resource concerns in the highest priority watershed within the county
- Improve nutrient management to reduce contaminants to surface and ground water

\$387,200 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Stony Creek Watershed. The project will:

- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Reduce agricultural non-point source pollution within the watershed
- Keep the farm economically viable while protecting natural resources

\$700,067 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Little Stony Creek Watershed. The project will:

- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Keep the farm economically viable while protecting natural resources

\$271,593 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Lower Stony Creek Watershed. The project will:

- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Keep the farm economically viable while protecting natural resources

\$1,191,103 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Roaring Brook – Black River Watershed. The project will:

- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Protect the drinking water supply for the City of Watertown
- Keep the farm economically viable while protecting natural resources

\$64,795 was awarded to the Lewis County Soil and Water Conservation District to work with two farms in the Mill Creek/Black Creek/ Stony Creek Watersheds. The project will:

- Implement various best management practice systems to reduce agricultural non-point source pollution
- Further goals identified in the Black River Watershed Management Plan and 9-Element Plan
- Implement approximately 50 acres of cover crops to improve and protection soil health

\$202,214 was awarded to the St. Lawrence County Soil and Water Conservation District to work with one farm in the Grass River Watershed. The project will:

- Reduce and prevent nutrient runoff into the watershed
- Provide for improved nutrient management increasing the farm's ability to store manure during high risk spreading conditions

Mohawk Valley

\$314,800 was awarded to the Herkimer County Soil and Water Conservation District to work with one farm in the Nowadaga Creek watershed, which drains to the Mohawk River. The project will:

- Provide for improved nutrient management increasing the farm's ability to store manure during high risk spreading conditions
- Contribute towards meeting the goals of the Mohawk River Watershed Coalition
- Help maintain this dairy farm as a viable operation while being environmentally sound

\$104,078 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Canajoharie Creek and Mohawk River watersheds. The project will:

- Reduce the risk of pathogen and nutrient runoff and improve the overall water quality of the watershed
- Improve agricultural waste management on the farm
- Implement improvements to a rotational grazing system to promote soil and forage health

\$144,085 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Otsquago Creek and Mohawk River watersheds. The project will:

- Reduce the risk of runoff from a corn silage bunk silo and improve the overall water quality of the watershed

- Implement improvements to a rotational grazing system to promote soil and forage health
- Remove livestock from the stream corridor

\$ 77,365 was awarded to the Otsego County Soil and Water Conservation District to work with one farm in the Schenevus Creek Watershed. The project will:

- Implement approximately 26 acres of forested riparian buffers
- Protect local waters from nutrient and sediment loading while also contributing to the protection of the Chesapeake Bay Watershed

\$ 224,450 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Flat Creek Watershed. The project will:

- Provide adequate manure storage to eliminate daily spreading and reduce the environmental risk for spreading on frozen and/or saturated ground
- Reduce the potential of ground water and surface water contaminants and protect overall water quality

\$ 25,412 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Cobleskill Creek Watershed. The project will:

- Address agricultural resource concerns in the county's highest priority watershed
- Improve the land by reducing sediment runoff and restore soil in the project area
- Eliminate pollutant discharges and ensure the proper application of the milk house wash water to reduce leaching and runoff

\$ 531,611 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Fox Creek/Schoharie Creek Watersheds. The project will:

- Provide adequate manure storage to eliminate daily spreading and reduce the environmental risk for spreading on frozen and/or saturated ground
- Facilitate the enhancement of nutrient management, reduce soil erosion and runoff, stabilize streambanks, and reduce the use of synthetic fertilizers and pesticides

Capital Region

\$670,800 was awarded to the Washington County Soil and Water Conservation District to work with two farms in the Lake Champlain Watershed. The project will:

- Provide for improved agricultural waste management, increasing the farm's ability to accomplish nutrient management goals
- Implement silage leachate runoff control and treatment practices to effectively manage runoff
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$223,000 was awarded to the Washington County Soil and Water Conservation District to work with three farms in the Lake Champlain Watershed. The project will:

- Address cropland nutrient application

- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

Long Island

\$414,476 was awarded to the Suffolk County Soil and Water Conservation District to work with 44 farms in the Nassau/ Suffolk Aquifer. The project will:

- Replace single-walled Petroleum Product Storage tanks with environmentally sound, double-walled tanks
- Prevent non-point source contribution to Long Island's sole source aquifer

\$249,310 was awarded to the Suffolk County Soil and Water Conservation District to work with one farm in Suffolk's Sole Source Aquifer. The project will:

- Reduce pollutants from leaching into and degrading ground water sources
- Prevent nitrogen from entering the Peconic Estuary and the sole source aquifer